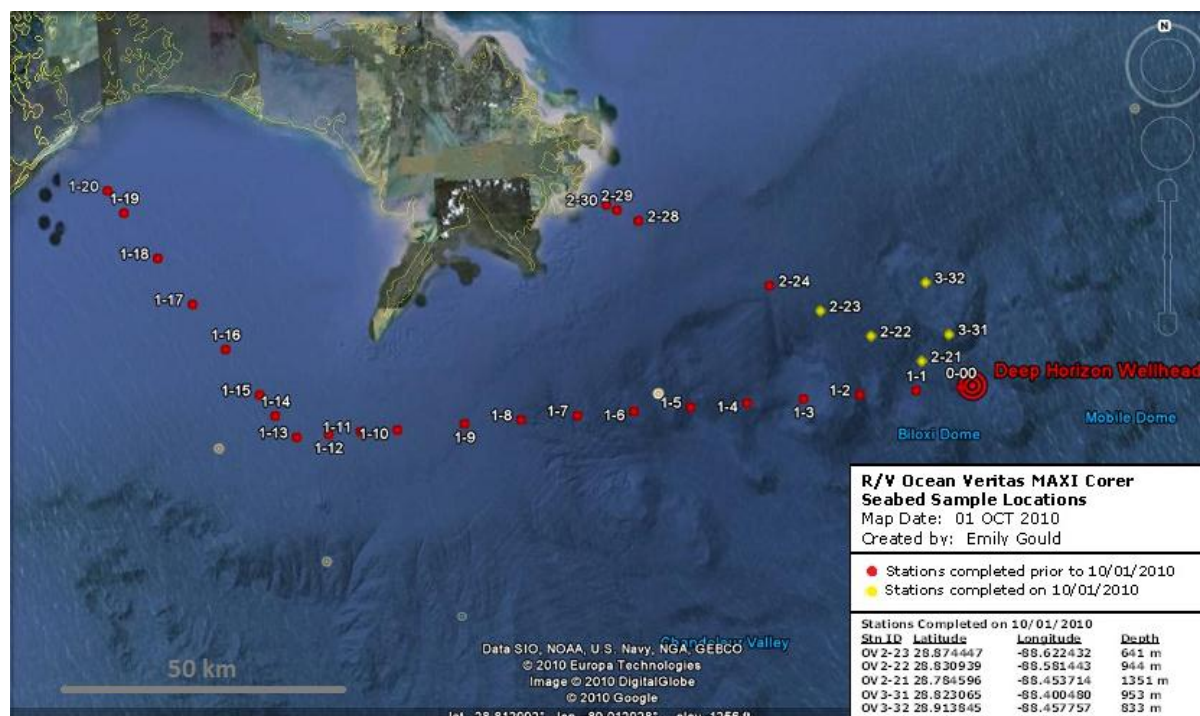


| <i>Seabed Sampling and Baited Camera Operations</i> | |
|---|-----------------------------|
| Vessel | R/V Ocean Veritas |
| Summary Report Number | 06 |
| Operating equipment | MAXI Corer (8 core unit) |
| Date | 01 October 2010 |
| Completed casts (12 hr) | 05 |
| Report compiled by | Brian Critchley/Emily Gould |

Seabed Sampling Locations



All cores were processed and stored in accordance with SOPOV01. GC/MS and Microtox™ toxicology testing was planned to be conducted offshore, however outstanding supplies meant that this was not possible. Samples were prepared and stored for hydrocarbon, trace metal, BTEX, grainsize, total inorganic carbon, total organic carbon, meiofauna and macrofauna testing and analysis onshore.

The core tube is 60 cm in length with an internal diameter of 10 cm. Typical sample recovery from the core is as follows:

Supernatant water: length = 15 cm, volume = 1178 cm³

Sediment: length = 45 cm, volume = 3534 cm³

Station 2-23

Lat: 28.874447

Long: -88.622432

Cores recovered: 7 out of 8

Supernatant water

Recovery: 17 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 43 cm

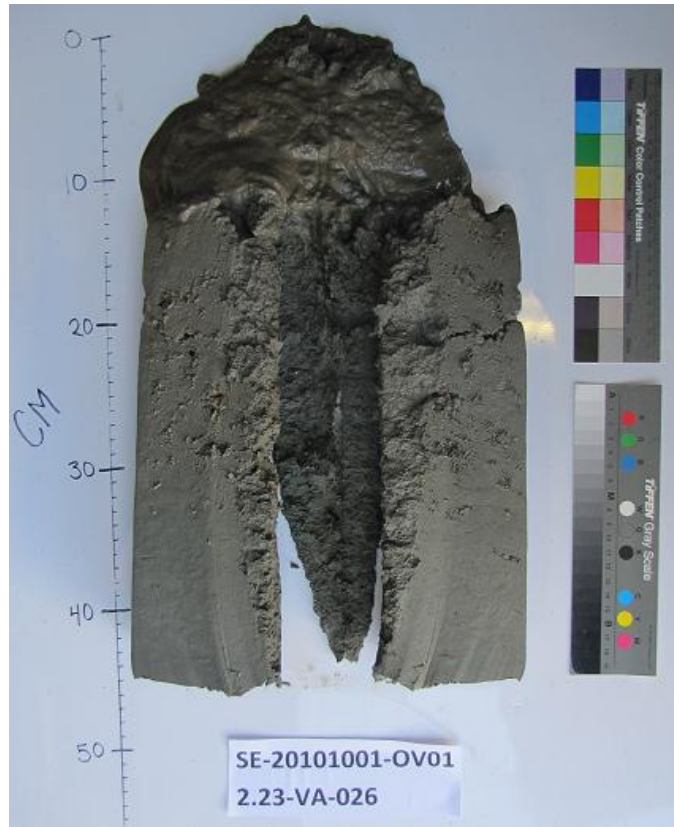
Visible contamination: None

Olfactible contamination: None

Description: Olive brown fluidized sediment to approximately 2 cm depth. Olive grey, very soft homogenous silty clay becoming firm.

Biota: Shrimp.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station 2-22

Lat: 28.830939

Long: -88.581443

Cores recovered: 8 out of 8

Supernatant water

Recovery: 30 cm

Visible contamination: Thin layer of oil sheen on water surface.

Olfactible contamination: None

Sediment

Recovery: 30 cm

Visible contamination: None

Olfactible contamination: None

Description: Brownish yellow fluidized sediment to approximately 4 cm depth. Olive grey, firm to stiff, homogenous silty clay, becoming soft with isolated organic patches throughout.

Biota: Worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station 2-21

Lat: 28.784596

Long: -88.453714

Cores recovered: 8 out of 8

Supernatant water

Recovery: 35 cm

Visible contamination: Thin layer of oil sheen on water surface.

Olfactible contamination: None

Sediment

Recovery: 25 cm

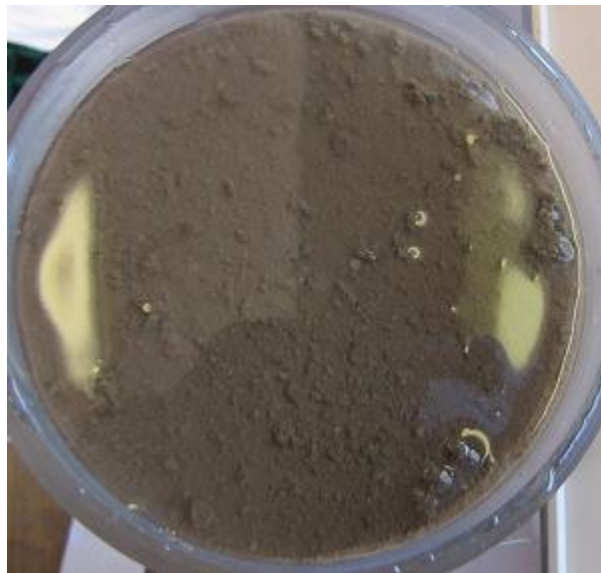
Visible contamination: None

Olfactible contamination: None

Description: Brownish yellow fluidized sediment to approximately 3 cm depth. Olive grey, very soft to soft, homogenous silty clay with a firm layer from approximately 10-20 cm.

Biota: Worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station 3-31

Lat: 28.823065

Long: -88.400480

Cores recovered: 8 out of 8

Supernatant water

Recovery: 20 cm

Visible contamination: Thin layer of oil sheen on water surface.

Olfactible contamination: None

Sediment

Recovery: 40 cm

Visible contamination: None

Olfactible contamination: None

Description: Brownish yellow fluidized sediment to approximately 3 cm depth. Olive grey, very soft to soft, homogenous silty clay with a firm layer approximately 20-30 cm.

Biota: Worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station 3-32

Lat: 28.913845

Long: -88.457757

Cores recovered: 8 out of 8

Supernatant water

Recovery: 28 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 42 cm

Visible contamination: None

Olfactible contamination: None

Description: Brownish yellow fluidized sediment to approximately 3 cm depth. Olive grey, soft, homogenous silty clay, with a firm layer approximately 10-20 cm.

Biota: None.

Top 3 cm removed for GC/MS analysis prior to core extrusion.

